

TRADEMARK ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNS THE ENTIRE INTEREST AND THE GOODWILL		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Xanodyne Pharmaceuticals, Inc.		08/22/2012	CORPORATION: DELAWARE
RECEIVING PARTY DATA			
Name:	Mallinckrodt LLC		
Street Address:	675 McDonnell Boulevard		
City:	Hazelwood		
State/Country:	MISSOURI		
Postal Code:	63042		
Entity Type:	LIMITED LIABILITY COMPANY: DELAWARE		
PROPERTY NUMBERS Total: 1			
Property Type	Number	Word Mark	
Registration Number:	2686302	ROXICODONE	
CORRESPONDENCE DATA			
Fax Number:	3146543156		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>			
Phone:	3146546374		
Email:	trademarks@covidien.com		
Correspondent Name:	Angela J Conrad		
Address Line 1:	675 McDonnell Boulevard		
Address Line 4:	Hazelwood, MISSOURI 63042		
ATTORNEY DOCKET NUMBER:	TM-PROC-PHARMA		
NAME OF SUBMITTER:	Angela J Conrad		
Signature:	/Angela J Conrad/		
Date:	09/17/2012		

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Total Attachments: 4

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TRADEMARK ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, Xanodyne Pharmaceuticals, Inc., a corporation organized under the laws of Delaware (the "Company"), the owner of the trademark registrations identified on Schedule A, including the goodwill of the business connected with the use of, and symbolized by, said marks, hereby assigns to Mallinckrodt LLC, a Delaware limited liability company (the "Buyer"), its entire right, title and interest in and to the trademark registrations identified on Schedule A and the trademarks which are the subject thereof, including the goodwill of the business connected with the use of, and symbolized by, said marks, and the right to recover damages or other amounts for past infringement of the trademarks or future acts of infringement that may occur. The Buyer hereby accepts said assignment. This document may be executed in two counterparts, each of which shall be deemed to be an original and all such counterparts shall constitute but one and the same instrument.

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Executed as of the 22nd day of August, 2012.

XANODYNE PHARMACEUTICALS, INC.

By: *Natasha Giordano*
Name: Natasha Giordano
Title: President and CEO


[Signature Page to Trademark Assignment]

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TRADEMARK
REEL: 004862 FRAME: 0952

ACCEPTED:

MALLINCKRODT LLC

By: 
Name: Matthew J. Nicoletta
Title: Vice President & Assistant Secretary

[Signature Page to Trademark Assignment]

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TRADEMARK
REEL: 004862 FRAME: 0953

Schedule A

Assignment of Trademarks

Trademark Registrations

Registration Number	Word Mark
2686302	ROXICODONE